

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

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Application Serial Number: 101531726
Source: PCI
Date Processed by STIC: 4-27-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/531,726

DATE: 04/27/2005

TIME: 14:39:20

Input Set : A:\39078-0009US1.txt

Output Set: N:\CRF4\04272005\J531726.raw

3 <110> APPLICANT: Anke Klippel-Giese
 4 Joerg Kaufmann
 5 Rolf Schwarzer
 7 <120> TITLE OF INVENTION: factor involved in metastasis and uses thereof
 9 <130> FILE REFERENCE: 39078-0009US1
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/531,726
 C--> 13 <141> CURRENT FILING DATE: 2005-04-18
 13 <150> PRIOR APPLICATION NUMBER: PCT/EP/03/11604
 W- 14 <150> PRIOR APPLICATION NUMBER: October 20, 2003
 W-- 16 <150> PRIOR APPLICATION NUMBER: EP 02023384.7
 W-- 17 <150> PRIOR APPLICATION NUMBER: October 18, 2002
 19 <160> NUMBER OF SEQ ID NOS: 17
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 232
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Homo sapiens
 28 <220> FEATURE:
 29 <221> NAME/KEY: MISC FEATURE
 30 <223> OTHER INFORMATION: amino acid sequence of NMF
 33 <400> SEQUENCE: 1
 35 Met Pro Ser Leu Trp Asp Arg Phe Ser Ser Ser Thr Ser Ser Ser
 36 1 5 10 15
 39 Pro Ser Ser Leu Pro Arg Thr Pro Thr Pro Asp Arg Pro Pro Arg Ser
 40 20 25 30
 43 Ala Trp Gly Ser Ala Thr Arg Glu Glu Gly Phe Asp Arg Ser Thr Ser
 44 35 40 45
 47 Leu Glu Ser Ser Asp Cys Glu Ser Leu Asp Ser Ser Asn Ser Gly Phe
 48 50 55 60
 51 Gly Pro Glu Glu Asp Thr Ala Tyr Leu Asp Gly Val Ser Leu Pro Asp
 52 65 70 75 80
 55 Phe Glu Leu Leu Ser Asp Pro Glu Asp Glu His Leu Cys Ala Asn Leu
 56 85 90 95
 59 Met Gln Leu Leu Gln Glu Ser Leu Ala Gln Ala Arg Leu Gly Ser Arg
 60 100 105 110
 63 Arg Pro Ala Arg Leu Leu Met Pro Ser Gln Leu Val Ser Gln Val Gly
 64 115 120 125
 67 Lys Glu Leu Leu Arg Leu Ala Tyr Ser Glu Pro Cys Gly Leu Arg Gly
 68 130 135 140
 71 Ala Leu Leu Asp Val Cys Val Glu Gln Gly Lys Ser Cys His Ser Val
 72 145 150 155 160
 75 Gly Gln Leu Ala Leu Asp Pro Ser Leu Val Pro Thr Phe Gln Leu Thr
 76 165 170 175

pls insert

2003-10-20

2002-10-18

Does Not Comply

Corrected Diskette Needed

(pg. 1, 6)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/531,726

DATE: 02/27/2005

TIME: 14:39:20

Input Set : A:\39078-0009US1.txt

Output Set: N:\CRF4\04272005\J531726.raw

79 Leu Val Leu Arg Leu Asp Ser Arg Leu Trp Pro Lys Ile Gln Gly Leu
 80 180 185 190
 83 Phe Ser Ser Ala Asn Ser Pro Phe Leu Pro Gly Phe Ser Gln Ser Leu
 84 195 200 205
 87 Thr Leu Ser Thr Gly Phe Arg Val Ile Lys Lys Lys Leu Tyr Ser Ser
 88 210 215 220
 91 Glu Gln Leu Leu Ile Glu Glu Cys
 92 225 230

95 <210> SEQ ID NO: 2

96 <211> LENGTH: 1760

97 <212> TYPE: DNA

98 <213> ORGANISM: Homo sapiens

100 <400> SEQUENCE: 2

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103 ggttggcacg ggttcgcaaca cccattcaag cggcaggacg cacttgctct agcagttctc      120
105 gctgaccgcg ctagctgcgg cttctacgct ccggcactct gagttcatca gcaaacgccc      180
107 tggcgtctgt cctcaccatg cctagccttt gggaccgctt ctgctgctcg tccacctcct      240
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111 ggtcggcgac ccgggaggag gggtttgacc gctccacgag cctggagagc tcggactgcg      360
113 agtccctgga cagcagcaac agtggcttcg ggccggagga agacacggct tacctggatg      420
115 ggggtgctgt gcccgacttc gagctgctca gtgacctga ggatgaacac ttgtgtgcca      480
117 acctgatgca gctgctgcag gagagcctgg cccaggcgcg gctgggctct cgacgccctg      540
119 cgcgccctgt gatgcctagc cagttggtaa gccagggtggg caaagaacta ctgcgcctgg      600
121 cctacagcga gccgtgcggc ctgcgggggg cgctgctgga cgtctgcgtg gagcagggca      660
123 agagctgcca cagcgtgggc cagctggcac tcgacccag cctggtgccc accttccagc      720
125 tgacctcgt gctgcgcctg gactcacgac tctggcccaa gatccagggg ctgttttagct      780
127 ccgccaactc tcccttcctc cctggcttca gccagtccct gacgctgagc actggcttcc      840
129 gagctcatca gaagaagctg tacagctcgg aacagctgct cattgaggag tgttgaactt      900
131 caacctgagg gggccgacag tgcctccaa gacagagacg actgaacttt tgggggtggag      960
133 actagaggca ggagctgagg gactgattcc agtggttgga aaactgaggc agccaccta      1020
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141 agtgggtgtg catccagaga gcagctgggc tgcctccgcc ccagcctggc ccagggtgaa      1260
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145 gtgggtttgt tatcttactg gtctgaaggg accaagtgtg tttgttgttt gttttgtatc      1380
147 ttgtttttct gatcggagca tcactactga cctgtttagt gcagctatct tacagacgca      1440
149 tgaatgtaag agtaggaagg ggtgggtgtc agggatcact tgggatcttt gacacttgaa      1500
151 aaattacacc tggcagctgc gtttaagcct tcccccatcg tgtactgcag agttgagctg      1560
153 gcaggggagg ggctgagagg gtgggggctg gaaccctcc ccgggaggag tgccatctgg      1620
155 gtcttccatc tagaactgtt tacatgaaga taagatactc actgttcatg aatacacttg      1680
157 atgttcaagt attaaagacct atgcaatatt ttttactttt ctaataaaca tgtttgttaa      1740
159 aacaaaaaaaa aaaaaaaaaa

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162 <210> SEQ ID NO: 3

163 <211> LENGTH: 699

164 <212> TYPE: DNA

165 <213> ORGANISM: Homo sapiens

167 <400> SEQUENCE: 3

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168 atgcctagcc tttgggaccg cttctcgtcg tcgtccacct cctcttcgcc ctgctccttg      60

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/531,726

DATE: 02/27/2005

TIME: 14:39:20

Input Set : A:\39078-0009US1.txt

Output Set: N:\CRF4\04272005\J531726.raw

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170 ccccggaactc ccaccccaga tcggccgccc cgctcagcct ggggggtcggc gacccgggag 120
172 gaggggtttg accgctccac gagcctggag agctcggact gcgagtcctt ggacagcagc 180
174 aacagtggct tcgggcccga ggaagacacg gcttacctgg atgggggtgtc gttgcccgac 240
176 ttcgagctgc tcagtgacct tgaggatgaa cacttggtgtg ccaacctgat gcagctgctg 300
178 caggagagcc tggcccaggc gcggctgggc tctcgacgcc ctgcgcgcct gctgatgcct 360
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182 ggccctgcggg gggcgctgct ggacgtctgc gtggagcagg gcaagagctg ccacagcgtg 480
184 ggccagctgg cactcgacct cagcctggtg cccaccttcc agctgacctt cgtgctgcgc 540
186 ctggactcac gactctggcc caagatccag gggctgttta gctccgcaa ctctcccttc 600
188 ctccctggct tcagccagtc cctgacgctg agcactggct tccgagtcac caagaagaag 660
190 ctgtacagct cggaacagct gctcattgag gagtgttga 699
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194 <211> LENGTH: 21
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: antisense oligonucleotide
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: (1)..(6)
204 <223> OTHER INFORMATION: RNA
207 <220> FEATURE:
208 <221> NAME/KEY: misc_feature
209 <222> LOCATION: (7)..(15)
210 <223> OTHER INFORMATION: DNA linked through phosphorothioate linkages
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (16)..(21)
216 <223> OTHER INFORMATION: RNA
219 <400> SEQUENCE: 4
220 gcucaactct gcagtacag a 21
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229 <223> OTHER INFORMATION: antisense oligonucleotide
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <222> LOCATION: (1)..(6)
234 <223> OTHER INFORMATION: RNA
237 <220> FEATURE:
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239 <222> LOCATION: (7)..(15)
240 <223> OTHER INFORMATION: DNA linked through phosphorothioate linkages
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (16)..(21)
246 <223> OTHER INFORMATION: RNA

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RAW SEQUENCE LISTING

DATE: 4/27/2005

PATENT APPLICATION: US/10/531,726

TIME: 14:39:20

Input Set : A:\39078-0009US1.txt

Output Set: N:\CRF4\04272005\J531726.raw

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249 <400> SEQUENCE: 5
250 cuugguccct tcagaccagu a 21
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261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (1)..(6)
264 <223> OTHER INFORMATION: RNA
267 <220> FEATURE:
268 <221> NAME/KEY: misc_feature
269 <222> LOCATION: (7)..(15)
270 <223> OTHER INFORMATION: DNA linked through phosphorothioate linkages
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274 <221> NAME/KEY: misc_feature
275 <222> LOCATION: (16)..(21)
276 <223> OTHER INFORMATION: RNA
279 <400> SEQUENCE: 6
280 caguutcca accacuggaa u 21
283 <210> SEQ ID NO: 7
284 <211> LENGTH: 21
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
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291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <222> LOCATION: (1)..(6)
294 <223> OTHER INFORMATION: RNA
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <222> LOCATION: (7)..(15)
300 <223> OTHER INFORMATION: DNA linked through phosphorothioate linkages
303 <220> FEATURE:
304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (16)..(21)
306 <223> OTHER INFORMATION: RNA
309 <400> SEQUENCE: 7
310 cccaaaagtt cagtcguc u 21
313 <210> SEQ ID NO: 8
314 <211> LENGTH: 21
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: antisense oligonucleotide
321 <220> FEATURE:

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/531,726

DATE: 02/27/2005

TIME: 14:39:20

Input Set : A:\39078-0009US1.txt

Output Set: N:\CRF4\04272005\J531726.raw

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322 <221> NAME/KEY: misc_feature
323 <222> LOCATION: (1)..(6)
324 <223> OTHER INFORMATION: RNA
327 <220> FEATURE:
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329 <222> LOCATION: (7)..(15)
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335 <222> LOCATION: (16)..(21)
336 <223> OTHER INFORMATION: RNA
339 <400> SEQUENCE: 8
340 gcuccugcct ctagtccucca c 21
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345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: antisense oligonucleotide
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <222> LOCATION: (1)..(6)
354 <223> OTHER INFORMATION: RNA
357 <220> FEATURE:
358 <221> NAME/KEY: misc_feature
359 <222> LOCATION: (7)..(15)
360 <223> OTHER INFORMATION: DNA linked through phosphorothioate linkages
363 <220> FEATURE:
364 <221> NAME/KEY: misc_feature
365 <222> LOCATION: (16)..(21)
366 <223> OTHER INFORMATION: RNA
369 <400> SEQUENCE: 9
370 guguucatcc tcagggucau c 21
373 <210> SEQ ID NO: 10
374 <211> LENGTH: 21
375 <212> TYPE: DNA
376 <213> ORGANISM: Artificial Sequence
378 <220> FEATURE:
379 <223> OTHER INFORMATION: antisense oligonucleotide
381 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
383 <222> LOCATION: (1)..(6)
384 <223> OTHER INFORMATION: RNA
387 <220> FEATURE:
388 <221> NAME/KEY: misc_feature
389 <222> LOCATION: (7)..(15)
390 <223> OTHER INFORMATION: DNA linked through phosphorothioate linkages
393 <220> FEATURE:
394 <221> NAME/KEY: misc_feature

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10/531,726

Page 6

<210> 17

<211> 187

<212> DNA

<213> Artificial

pls explain source of genetic material

<400> 17

gaattcctat ttcccatgat tccttcatat ttgcatat tttaaatgga ctatcatatg 60

cttaccgtaa cttgaaagta ttctgatttc ttggctttat atatcttggg aaaggacgaa 120

acaccgggag actagaggca ggagcaaaaa aaaaaactcc tgcctctagt ctccactttt 180

tctcgag 187

↑ see error explanation
on page 7.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/531,726

DATE: 4/27/2005
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Input Set : A:\39078-0009US1.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:17

Use of <220> Feature (NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:17

Error Explanation: 2

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/531,726

DATE: 04/27/2005

TIME: 14:39:21

Input Set : A:\39078-0009US1.txt

Output Set: N:\CRF4\04272005\J531726.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:14 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE ✓
L:16 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE ✓
L:17 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE ✓
L:534 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213> ✓
ORGANISM:Artificial
L:534 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213> ✓
ORGANISM:Artificial
L:534 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17, Line#:534 ✓